CASE WESTERN RESERVE UNIVERSITY

Case School of Engineering
Department of Electrical Engineering and Computer Science

ENGR 210. Introduction to Circuits and Instruments (4)

Quiz No. 2

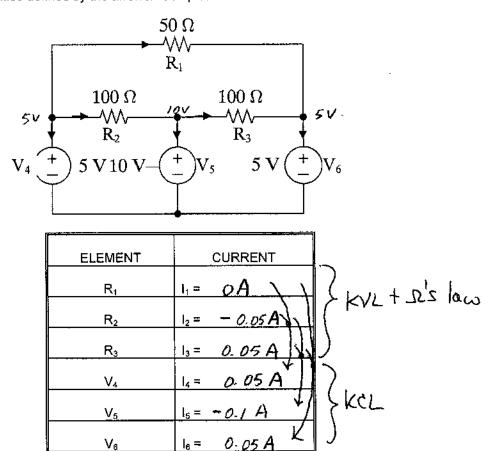
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Name (Section):

PUT ANSWERS IN THE SPACE PROVIDED AND SHOW YOUR WORK

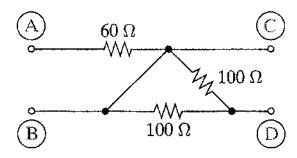
Problem 1 (10 points)

Use KVL, KCL, and element constraints to find the current that flows through each element in this circuit. Use polarities defined by the arrows. Complete the table.



Problem 2 (10 points)

Find the equivalent resistance between each pair of terminals (with the other two terminals left disconnected). Complete the table.



TERMINALS	RESISTANCE
А-В	R= 60 52
A-C	R= 60 52
A-D	R= //0 /2
B-C	R= 0 /2
B-D	R= 50 12
C-D	R= 50/2.